Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1) (currently amended) A catalyst useful in the formation of polyisocyanurate foam from an isocyanate and a polyol comprising:

a) an amine component comprising ~~N,N,N'-trimethylaminoethyl-ethanolamine~~ 2(2-Dimethylaminoethyl)methylamino-ethanol; and

b) a trimer catalyst component.

2) (original) A catalyst according to claim 1 wherein said trimer catalyst comprises an alkali metal salt of a carboxylic acid.

3) (original) A catalyst according to claim 2 wherein said salt is selected from the group consisting of: octoate salts and acetate salts of an element selected from the group consisting of: lithium, sodium, potassium, and cesium.

4) (original) A catalyst according to claim 1 further comprising an additional amine component.

5) (original) A catalyst according to claim 4 wherein said additional amine component is selected from the group consisting of: pentamethyldiethylenetriamine; dimethylcyclohexylamine; 2,2'-oxybis (N,N-dimethylethanamine); aminophenol; dimethylethanolamine; dimethylpiperazine; N-ethylmorpholine; N-methylmorpholine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl; 1,3-propanediamine,N'-(3-(dimethylamino)propyl)-N,N-dimethyl; 2-propanol, 1-(bis(3-dimethylamino)propyl) amino); 2-((2-(2-(dimethylamino)ethoxy)ethyl)mathyl-amino)-ethanol; dimethylaminoethoxyethanol; 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; morpholine, 4,4'-(oxydi-2,1-ethanediyl)bis-dimorpholino ethane; and triethylenediamine.

6) (original) A catalyst according to claim 1, further comprising an organotin compound.

7) (currently amended) A process for producing an isocyanurate foam product comprising the steps of:

a) providing an isocyanate and a polyol;

b) providing a catalyst comprising:

i) an amine component comprising ~~N,N,N'-trimethylaminoethyl-ethanolamine~~ 2(2-Dimethylaminoethyl)methylamino-ethanol; and

ii) a trimer catalyst component;

c) contacting said isocyanate and said polyol in the presence of said catalyst.

8) (original) A process according to claim 7 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.

9) (original) A process according to claim 7 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrose-derived polyols, sorbitol-derived polyols, and combinations thereof.

10) (original) A process according to claim 7 wherein said trimer catalyst is selected from the group consisting of: potassium octoate; potassium acetate; JEFFCAT® TR-52; 2-hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl trimethylammonium formate.

11) (original) A process according to claim 7 wherein said catalyst further comprises: iii) a second amine component selected from the group consisting of: pentamethyldiethylenetriamine; dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl.

12) (currently amended) A process for producing an isocyanurate foam product comprising the steps of:

a) providing an isocyanate and a polyol;

b) providing a blowing agent;

c) providing a catalyst comprising:

i) an amine component comprising ~~N,N,N'-trimethylaminoethyl-ethanolamine~~ 2(2-Dimethylaminoethyl)methylamino-ethanol; and

ii) a trimer catalyst component;

d) contacting said isocyanate and said polyol in the presence of said catalyst and said blowing agent.

13) (original) A process according to claim 12 wherein said isocyanate is selected from the group consisting of: aromatic di-isocyanates, polymeric isocyanates, aliphatic di-isocyanates, and aliphatic tri-isocyanates.

14) (original) A process according to claim 12 wherein said polyol is selected from the group consisting of: aromatic polyesterpolyols, amino polyols, mannich polyols, sucrose-derived polyols, sorbitol-derived polyols, and combinations thereof.

15) (original) A process according to claim 12 wherein said trimer catalyst is selected from the group consisting of: 2-hydroxypropyl trimethylammonium 2-ethylhexanoate; and 2-hydroxypropyl trimethylammonium formate.

16) (original) A process according to claim 12 wherein said blowing agent is selected from the group consisting of: water, carbon dioxide, pentane, isopentane, n –pentane, cyclopentane, butane, R-141b®, and R-245FA®.

17) (original) A process according to claim 12 wherein said catalyst further comprises: iii) a second amine component selected from the group consisting of: pentamethyldiethylenetriamine; dimethylethanolamine; 2, 2'-oxybis (N,N-dimethylethanamine); triethylenediamine; 1,3,5-triazine-1,3,5 (2H, 4H, 6H)-tripropanamine, N, N, N',N', N", N"-hexamethyl; 1,3-propanediamine, N, N-bis[3-(dimethylamino)propyl]-N',N'-dimethyl; aminophenol; and 1,3-propanediamine, N-[3-(dimethylamino)propyl]-N,N',N'-trimethyl.

18) (currently amended) A polyisocyanurate foam comprising ~~N,N,N'-trimethylaminoethyl-ethanolamine~~ 2(2-Dimethylaminoethyl)methylamino-ethanol.

19) (currently amended) A polyisocyanurate foam comprising ~~N,N,N'-trimethylaminoethyl-ethanolamine~~ 2(2-Dimethylaminoethyl)methylamino-ethanol and a trimer catalyst.

20) (original) A foam according to claim 18 wherein said trimer catalyst is selected from the group consisting of: potassium octoate, and potassium acetate.